

Title (en)
ROLLER BELT DRIER

Title (de)
ROLLENBAHNTROCKNER

Title (fr)
SECHOIR DOTE D'UN TRANSPORTEUR A ROULEAUX

Publication
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Application
EP 00958475 A 20000819

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Abstract (en)
[origin: WO0136890A1] The invention relates to a roller belt drier. The drying of panel-shaped products often requires the drier to have considerable construction lengths in order to achieve a high capacity. Long roller belt dryers, which are usually equipped with chain drives and a motor for each chain, present the problem that very strong chains are required to transmit the necessary driving forces. When the drier reaches a certain length, it is no longer possible to provide chains that are able to accommodate these forces. According to known solutions, a chain is divided and the drives are located in the centre of the drier. This causes problems in terms of sealing the drier, as well as extra expense for the driving and tension station. The aim of the invention is to create a drier which has a driving and tension system that is structurally simple and economical, even for considerable construction lengths. A chain is equipped with two drives (15, 23), the second drive (23) being integrated in a tension device (24). The invention is suitable for drying panel-shaped goods, especially plaster boards or plaster fibre boards.

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